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Cold warrior warms up the crowd



JACQUELINE MCBRIDE/NEWSLINE

Former Laboratory physicist Tom Reed said he was delighted to return to “this place I revere.”

By Don Johnston

NEWSLINE STAFF WRITER

Author Tom Reed returned to his Laboratory roots Wednesday to discuss his recently published insider’s history of the Cold War, “At the Abyss.”

A former thermonuclear bomb designer in A Division, Reed went on to become Secretary of the Air Force and a national security adviser to President Ronald Reagan. He continues to serve as a consultant to the Laboratory.

“It’s a great joy and honor for me to be here,” Reed said in his opening remarks. “This is a place

I revere.”

Reed said he felt compelled to compile his personal history because he was “offended” by the quick histories of the Cold War that appeared in the early 1990s following the collapse of the Soviet Union.

An architect of Reagan’s “master plan on how we’re going to deal with the Soviet Union,” Reed documented much of the thinking and the intelligence on which it was based. “I didn’t understand when I left the White House that this was historic stuff.”

But soon after, he began writing essays based

See COLD WAR, page 7

JGI sequence generation reaches two billion bases per month milestone

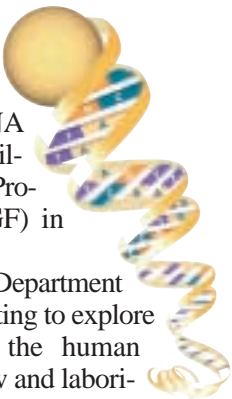
By David Gilbert

NEWSLINE STAFF WRITER

On March 15, the Joint Genome Institute (JGI) staff gathered to celebrate achieving an unprecedented level of DNA sequence generation — some 2 billion bases in one month — at the Production Genomics Facility (PGF) in Walnut Creek.

Twenty years ago, when the Department of Energy convened the first meeting to explore the feasibility of sequencing the human genome, the technology was slow and laborious. Sequencing entailed mixing up a cocktail of radioisotopes to bind with the DNA strands then manually loading them on a long, thin vertical gel through which an electronic current was applied. The gel was transferred to filter paper and exposed

See JGI, page 8



Dynes names committee to search for new LBL director

University of California President Robert Dynes has named a 10-member committee of university regents, faculty and researchers to advise him in the search for the next director of the Lawrence Berkeley National Laboratory.

Last month, laboratory director Charles V. Shank announced his intention to step down by the end of this year. Shank, who has headed the laboratory since 1989, will remain as a faculty member at UC Berkeley. He is a tenured professor in three departments — physics,

See SEARCH, page 5

Lab emergency response to be tested next week

Next week, LLNL will conduct an emergency exercise designed to demonstrate that the Laboratory’s emergency response organizations are prepared to respond to an emergency at the Laboratory.

Employees at various locations at the Laboratory may be affected. If you are in one of these areas, follow all directions provided by emergency responders or over-the-voice paging system. If you hear a “Shelter-in-Place” announcement, just remember to stay inside your building or go inside the nearest building. If you are instructed to evacuate, evacuate to your assembly point unless directed elsewhere by the on-scene emergency responders.

Cooperation is essential to making this important test of the Laboratory’s emergency response capabilities a success.

New ergonomic Website to be unveiled

By Dale Sprouse

TID

When it comes to repetitive motion activities, Melanie Alexandre wants to make one message perfectly clear to the Laboratory community: Don’t wait until you feel discomfort or pain before you avail yourself of the ergonomic resources the Lab has assembled.

“The primary focus of our ergonomic program is on preventing injuries,” said Alexandre, Hazards Control’s ergonomic subject matter expert, who describes ergonomics as “the art and science of combining good habits and optimizing the environment to meet an indi-



Melanie Alexandre

vidual’s needs.”

Said Alexandre, “We have been doing whatever we can to be proactive, providing employees and their programs with access to ergonomic expertise, a good understanding of the principles of ergonomics, ergonomic evaluations and knowledge of how to use ergonomic tools.”

On April 1, the Hazards Control Department will unveil a new ergonomics Website (<http://www.llnl.gov/ergo>). The site, says Alexandre, “contains something for everyone.”

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Driven to alternative thinking

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A&S Restructuring update

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LAB COMMUNITY NEWS

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Friday
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B Division's **spring book sale** continues today from 11:30 a.m. to 1:30 p.m., in Bldg. 132, room 1200 (Q- or L-cleared access only).

All books are \$5 for a paper grocery bag full. All proceeds are used to buy Christmas gifts for needy children. Each year the sales help agencies in Alameda, Contra Costa and San Joaquin counties, plus individual families in need. For more information, call Lynn Groves, 2-1684.

Saturday
20

A dinner and concert will be offered tonight by the **Livermore-Yotsukaido Sister City Organization** as cultural entertainment and

fund-raising event. A dinner of Japanese Yaki Soba and other Japanese/American accompaniments will be served at 6:30 p.m. prior to the concert by the San Francisco Taiko Dojo, who will present their ancient Japanese ceremonial drum concert. Tickets are \$35 for adults and \$15 for children 12 and under. For tickets, call 447-0856 or 447-8666.

Tuesday
23

A **Fidelity retirement counselor** will be available today to assist with: assessing the current state of retirement accounts, learn-

ing how to plan asset allocation and diversify investments within retirement accounts, as well as identifying income strategies when planning retirement. Fidelity Mutual Funds are available to UC's workplace retirement plan participants in addition to the UC-managed investment pools. If you would like to set up a one-on-one consultation, call 800-642-7131. When calling be sure to specify that you are an LLNL employee.

Thursday
25

The **Tri-Valley SPCA**, will host a grand opening public reception today for the Tri-Valley SPCA Spay & Neuter Surgery Center. The

clinic has the capacity to perform 5,000 spay and neuter surgeries per year. The reception will be held from 6-8 p.m. at the Tri-Valley SPCA, 4651 Gleason Drive, Dublin. For more information or to schedule a surgery, call 479-9674 or go to the Website at www.easbayspca.org/thefix.



The **LLESA Bowling Networking Group** is hosting a department challenge on Saturday, March 27, at Granada Bowl in Livermore. Teams

are to be five members of any combination — men, women or mixed. Individual bowlers will be placed on teams. New bowlers are welcome and no average is needed. This event begins at noon and cost is \$11 per bowler, which includes three games, rental shoes and pizza. A perpetual trophy will be awarded to the winning team. Put your team together now and join in the fun. Register by March 22 by contacting Keith Coffee, coffee3 or 3-2292, Greg Repose, repose1 or 3-7294, or Julie Fone, fone1 or 3-4730.



Tour of duty

Sgt. Robbie James Trowbridge of the U.S. Army's 101st Airborne Division, on leave from combat duty in Iraq, came to the Laboratory last week to thank employees in engineering for sending goods to his unit in Iraq and spoke of his experiences. His mother, Carla Biddle of Engineering, organized the visit. Employees signed cards, which Trowbridge will take back to his unit at Fort Campbell, Kentucky, when he returns at the end of the month.

DON JOHNSTON/NEWSLINE

BRIEFLY

Beryllium Former Worker Program office at LLNL closed

Oak Ridge has closed its Beryllium Former Worker Program office at LLNL. Anyone requesting information about the program should contact the ORAU (Oak Ridge Associated Universities) Denver office at (toll free) 866-812-6703, or visit the DOE Website on the Chronic Beryllium Disease Prevention Program (CBDPP) at <http://tis-nt.eh.doe.gov/be/>

DOE-Department of Labor traveling resource center returns to the area

A Department of Energy-Department of Labor Traveling Resource Center will return to the East Bay Tuesday and Wednesday (March 23-24). Representatives will be on hand to assist individuals with claims under the Energy Employees Occupational Illness Compensation Program Act. Workers who need help filling out claim forms can schedule appointments at the Traveling Resource Center by calling toll-free, (866) 697-0841, or drop in during office hours, 8:30 a.m. to 6 p.m. at the following location: Four Points Hotel by Sheraton, 5115 Hopyard Road, Pleasanton.

The program helps DOE contractor employees apply for state workers' compensation benefits, if it is determined by an independent physician's panel that the worker sustained an illness caused by exposure to a toxic substance at a DOE facility. Several facilities in the Bay Area have been designated by DOE as locations for prospective worker claims: Lawrence Berkeley lab, Lawrence Livermore and Stanford's Linear Accelerator Center.

Semi-annual statements of UC retirement system now available on Web

The UC Retirement System has completed the monthly update of accounts and balances in the Tax-Deferred 403(b) Plan, Defined Contribution Plans, and UC Retirement Plan. Semi-annual statements of UC balances are no longer mailed to plan participants. You may access your account balance information at any time by viewing the UC benefits Website www.atyourservice.ucop.edu. If you do not have Web access or need further assistance, call the Benefits Office, 2-9955.

American business idioms course offered

"Take the bull by the horns," "Up a creek," "Between a rock and a hard place," "Shoot the breeze" and "Flying by the seat of my pants."

The above are just a few examples of common American business idioms. Idiomatic speech is tricky for non-native speakers. Idioms are not only difficult to understand if you are not familiar with the meaning (it cannot always be derived from

context), but they are very sensitive to proper stress and intonation patterns — if you misplace the stress they can sound "off" very quickly. American business Idioms (ED7815) is designed for non-native speakers of English who have an intermediate/advanced knowledge of English. This one-day workshop is scheduled for April 5, at the Training Center (Trailer 1879) from 8:30 a.m. - 4:30 p.m. The cost is \$250-425 depending on the number of participants. For a complete description and to enroll you may sign up on-line at: https://www-ais.llnl.gov/llnl_plsql_lb_web_ll/lrc_ctlg_pg1.lrc_get_course_info_pr2?CourseNo=ED7815 or contact the Employee and Organization Development Division, 2-4842.

Space still available for two-day retirement planning workshop

Space is still available for the two-day Comprehensive Retirement Planning Workshop, April 7 - 8, in the Bldg. 123 auditorium. This workshop, offered by the Benefits Office, is designed especially for those within 10 years of retirement. It will provide participants with a complete overview of the benefits from the UC Retirement Plan, including eligibility requirements for continuing health benefits after retirement. The workshop will also provide a comprehensive look at Social Security & Medicare, long-term care, investment options after retirement, estate planning techniques, and "career" alternatives after retirement. To register online, go the Website at <http://www.llnl.gov/llnl/02employment/benefits/benefits.htm>. The cost for the workshop is \$95. Employees may register their spouse to accompany them at no additional cost by calling the Benefits Office, 2-9957.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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Honoring Cesar Chavez

In honor of Cesar Chavez Day, award-winning author and program director Francisco Jimenez will discuss how Cesar Chavez's life and legacy influenced his writing. From child migrant worker to Ph.D., Jimenez will talk about his two award-winning autobiographical books: "The Circuit: Stories from the Life of a Migrant Child" and "Breaking Through." This presentation will take place at noon Wednesday, March 24, in the Bldg. 543 auditorium.

Jimenez was four when his family came to the United States as illegal immigrants, and by age six he was working in the fields of California. Life was tough, but he was determined to earn an education and help his family, even if it meant working 35 hours a week before and after school.

In 2002, Jimenez was named one of four national professors of the year. He is the Fay Boyle Professor in the Department of Modern Languages and Literature at Santa Clara University and is director of the University's Ethnic Studies Program. He has taught at SCU since 1973, and much of his teaching and writing has been framed by his experiences as the child of Mexican migrant farm workers. Jimenez received his undergraduate degree from Santa Clara University in 1966 and a master's and Ph.D. in Latin American literature from Columbia University under a Woodrow Wilson Fellowship.

For additional information, contact Susane Head, 2-5218. This talk is sponsored by the Amigos Unidos Networking Group and the Worklife Programs Office.



Francisco Jimenez

Dorothy Bishop: promoting women in science

By Linda Lucchetti
NEWSLINE STAFF

Women's Association member Dorothy Bishop can be proud of many achievements during her 30 years at the Laboratory.

In addition to being the associate division leader in the Environmental Restoration Division (ERD) of the Environmental Protection Department (EPD), Bishop also manages the department's Program Development project and coordinates the R&D part of the ERD program. Since her start at the Lab, she has always had her hand

in mentoring and promoting science as a career, particularly for women, as well as being involved in annual outreach programs — Expanding Your Horizons in Math and Science (EYH), Science on Saturday, the Tri-Valley Engineering and Science Fair, and she is a member of Sigma Xi.

All of these outreach activities are aligned with her conviction that there needs to be more women in science. "In the United States today, young students, especially girls, are not choosing science careers," Bishop explains. "We need to bring them into the workplace and show them they can strive for careers, and not become discouraged. They need to see that women have opportunities."

You might say that Bishop is a product of what she preaches, for her own love of science and an eventual career path sprang from a summer program she attended in her youth. The topic was food chemistry, and the outcome was a life-long interest that eventually led to a master's degree in Chemistry and Food Technology and later, experience as an environmental chemist in EPD. In addition, both her children chose technical careers. Bishop's daughter is a space scientist with NASA and her son is an engineer.

But mentoring students represents only one side to Bishop's interests. Not only has she participated in ways to attract women to science, but also has co-developed strategies for retaining technical women, and achieving a better workplace, in general.

A chance meeting back in 1997 with Congresswoman Ellen Tauscher after her first election win, gave Bishop an opportunity to gather a small



JACQUELINE MCBRIDE/NEWSLINE

Dorothy Bishop was instrumental in forming the Technical Women's Steering Committee.

group of LLNL technical women to meet with the congresswoman, at her request, and share information about science careers for women at the Laboratory.

In 1999, Tauscher encouraged LLNL and Sandia technical women to host a forum that would provide input to the Commission on the Advancement of Women and Minorities in Science, Engineering and Technology Development (CAWMSET.) The successful forum, of which Bishop was co-chair, was attended by more than 100 women and spawned recommendations for policy initiatives and characteristics of best practices for the attraction and retention of women in the technical workplace.

The initial CAWMSET forum group evolved into the "Technical Women's Steering Committee." Since then, the ad hoc, grass roots committee, has enjoyed a string of successes — published reports outlining strategies, additional forums, and meetings with congressional, UC, and Lab representatives. Lab senior management has invited committee members to present their recommendations about workforce recruiting, work-life balance and mentoring.

The highly respected committee, still going strong after almost seven years, is currently planning its next forum for November 2004.

When asked "what has been your most significant accomplishment during your career," Bishop doesn't hesitate. "It would have to be coordinating the Technical Women's Steering Committee because it has touched upon real issues at the Lab. We've been able to work with Lab management and offer recommendations to bring about positive change."

Celebrating Women's History Month



Preventing burnout

As part of Women's History Month, keynote speaker Christina Maslach, UC Berkeley vice provost, will discuss "Preventing Burnout and Building Engagement." This talk will take place at noon Monday, March 22, in the Bldg. 543 auditorium.

Burnout is a hot topic in today's workplace. Maslach is an internationally known expert on job burnout syndrome and has been teaching on the UC Berkeley campus since 1971. For more info, contact Michele Cardenas, 3-2796.



Lunchtime movie series



Noon, March 25 & April 15. LabTV, channel 7

"Jewels in a Test Tube: Biochemist Lynda Jordan."

The inspiring story of Jordan's journey toward her research goals, and of her efforts to encourage the next generation of African American scientists like herself, is at the heart of this profile. (60 min.)

Noon, March 30 and April 22. LabTV, channel 7
"Rocking the Boat: Women Race for the America's Cup" (32 min.)

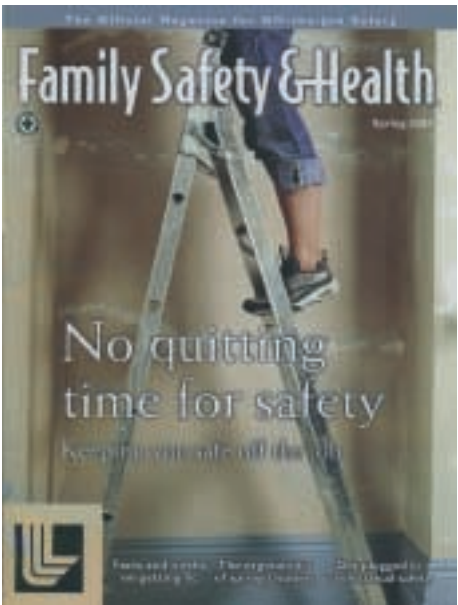
Noon, April 7 and April 29. LabTV, channel 7
"The Way Home." Women representing a cross section of cultures in America come together to share their experience of oppression through the lens of race. (92 min.)

Co-sponsored by LLLWA, Chemistry and Materials Science, and the WorkLife Programs Office



NEWS YOU CAN USE

Coming Soon!



Watch for the spring issue of **Family Safety & Health** magazine in your mailbox at home! The theme is “Keeping you safe off the job.” Topics include the ergonomics of household jobs and electrical safety—especially in older homes.

Science and Engineering Fair returns

A record breaking number of projects, more than 260, have been entered into the 8th annual Tri-Valley Science and Engineering Fair (TVSEF) scheduled for March 24-27 at the San Ramon Valley Conference Center, 3301 Crow Canyon Road, in San Ramon. Students participating are 7th through 12th graders from public, private and parochial schools in Danville, Dublin, Livermore, Pleasanton, San Ramon and Sunol.

Judging will take place on Thursday, March 25, at 9 a.m. with an awards ceremony scheduled for 7 p.m. Associate Director Steve Patterson of Engineering will be a guest speaker during the ceremony.

The public may view the exhibition of student projects at the San Ramon Valley Conference Center on Friday, March 26, 10 a.m. to 7 p.m. and Saturday, March 27, 10 a.m. to 3 p.m. There is no charge for admission.

In addition to the Laboratory, this year's organizing sponsors include the Tri-Valley Business Council, Pacific Gas and Electric Company, the Contra Costa Times, Tri-Valley Community Foundation, and Chevron Texaco.

The TVSEF is affiliated with the Intel International Science and Engineering Fair, IISEF, which is administered by Science Service, Inc. Senior Division (9-12th grade) Sweepstakes winners of



the fair will go on to participate in the International Fair, which will be held in Portland, Oregon in May. In addition, the Senior Division Sweepstakes Project winners will be offered summer employment at LLNL or one of the Tri-Valley's technical organizations.

Technical Meeting Calendar

Friday
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INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

“Caustics in Seismology: Catastrophe Theory Applied to

Damage from Earthquakes,” by Paul Davis, UCLA. Noon, Bldg. 319, room 205. Contact: Sharon Taberna, 3-6290.

DEFENSE & NUCLEAR TECHNOLOGIES COLLOQUIUM

“Post-Modern Primary Design,” by Kris A. Winer. 10:30 a.m., Bldg. 111, room 114 (Poseidon Room). Q clearance and SP access required. No foreign nationals. Contact: Linda Stuart, 3-7001, stuart5@llnl.gov, or Frankie Springer, 3-6192, springer9@llnl.gov.

PHYSICS & ADVANCED TECHNOLOGIES/V-DIVISION SEMINAR

“Absorption Spectroscopy in Short Pulse Laser Heated Plasmas,” by Patrick Audebert, CEA. 2 p.m., Bldg. 319, room 205. Contact: Stefanie B. Landes, 2-3201.

Tuesday
23

RADIATION DETECTION CENTER

“Progress Report on the Lawrence Livermore/Sandia Antineutrino Detector at the

San Onofre Nuclear Power Plant,” by Adam Bernstein. 11 a.m., Bldg. 151, room 1209 (uncleared area). Contact: Ron Wurtz, 3-8504, or Christie Shannon, 3-6683.

BIOSECURITY & NANOSCIENCES LABORATORY

“Chemical Control of Surface Morphology

at Many Length Scales: Studying the Mechanisms of Macrostep Formation,” by post-doc candidate Simon Garcia, Cornell University, New York. 2 p.m., Bldg. 151, room 1209 Stevenson Room, P-Cleared. Foreign nationals may attend if appropriate security plan is on file, which includes Bldg. 151. Contact: Christine Orme, 3-9509, or Katie Thomas, 2-7903.

CHEMISTRY & MATERIALS SCIENCE DIRECTORATE/ MATERIAL SCIENCE & TECHNOLOGY DIVISION

“Image-Based Simulation of Blood Flow and Arterial Wall Interaction of Cerebral Aneurysms,” by Marie Oshima, Institute of Industrial Science, University of Tokyo. 3-4 p.m., Bldg. 235, room 1090. Foreign nationals may attend if a security plan is on file, which includes Bldg. 235. Contact: Frank Wong, 3-0763, or Joanne Maxwell, 4-4344.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

“Software Risk Management,” by Rick Hefner, Northrup Grumman. 10 a.m., Bldg. 451, room 1025 (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Angel Weigel, (CADSE), 2-5654, or Leslie Bills, 3-8927.

Thursday
25

NAI COLLOQUIUM

“Regional Security and Cooperation in Seismology,” by Keith Nakanishi, and Arthur Rodgers, Energy & Environment Directorate. 2 p.m., Bldg. 132S, room 1000 auditorium (L/Q -

cleared access required). Talk is unclassified. Contact: Mona Dreicer, 2-7588, or Melissa Ramirez, 3-2559.

Friday
26

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

“The Broad Line Region of the Seyfert Galaxy NGC

5548,” by Norman Murray, Canadian Institute for Theoretical Astrophysics, University of Toronto. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Josie Morgado, 2-7181.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

“Topology-based Exploration of Scalar Fields,” by Gunther Weber, UC Davis. 10 a.m., Bldg. 451, room 1025 (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Dan Laney, (CASC), 3-9422, or Leslie Bills, 3-8927.

ICF/HEDES

“Transmission Electron Microscopy (TEM) — What Can It Do? What Does It Take?,” by interviewee Joerg Jinschek, LBNL. 10:30 a.m., Bldg. 219, conference room 238. Contact: Bruce Remington, 3-2712, or Anika Rodda, 2-6377.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the Technical Meeting Calendar list, see the auto registration service on the Web.

AROUND THE LAB



Earth Day Expo 2004 to traffic in alternative vehicles

By Anne M. Stark
NEWSLINE STAFF WRITER

When Blair Barnett was earning his degree in environmental studies from San Jose State a few years ago, he realized that in order for the auto industry to survive, it would have to move away from burning fossil fuels. “It appeared that we’d need to move the auto industry out of using natural resources and I decided to be the guinea pig,” said Barnett, a health and safety technician in Hazard Control Team 3 supporting the Nonproliferation, Arms Control and International Security Directorate. So in 2000, Barnett went out and bought a brand new Toyota Prius, a hybrid gasoline/battery vehicle. Since then, he’s recently bought a 2004 Prius.

For Earth Day this year, which is April 22, he’d like to get a group of employees together who drive these vehicles, whether they be hybrids, electric, compressed natural gas or other forms of non-fossil fuel operated vehicles, and sponsor a booth at the Earth Day Expo.

“My guess is that five to 10 years from now, these vehicles will really take off,” Barnett said. “People won’t move until gasoline is \$4 to \$5 per gallon. People aren’t going to change until it hits them in the pocketbook.”

Anne Sunwoo felt it in her pocketbook. About four years ago, the material scientist from the Engineering Directorate totaled her Toyota Celica and wound up borrowing her husband’s V6 Lexus that required premium gasoline. Driving to and from her Castro Valley home to the Laboratory is a 50-mile roundtrip.



JACQUELINE MCBRIDE/NEWSLINE

Blair Barnett, Anne Sunwoo and Gene Berry all drive hybrid gasoline/electric autos. Barnett is trying to get a group of employees together who drive alternative fuel cars to participate in a booth at this year’s Earth Day celebration.

“Every time I filled up, it was \$30 to \$40 per week,” she said. “Our gasoline bill was becoming outrageously high. Then I heard about Toyota coming out with a hybrid car and I was very interested.”

After some research and a four month wait, Sunwoo purchased her 2001 Prius and has been happy with it ever since. On average, she gets 46-48 miles per gallon. She said the car automatically switches from battery to gasoline operation using the internal electric motor. When the gasoline portion is operating, it charges the battery so that she doesn’t have to plug the car in to recharge the battery.

Now, she only fills her car up once every two

weeks. “I love it,” she said. “When my friends find out I’m driving a hybrid car, they get really excited.”

For Gene Berry, driving a hybrid car only makes sense. The Energy and Environment engineer analyzes and studies alternative sources of energy for a living. Berry’s specialty just happens to be researching hydrogen as a fuel source.

He purchased his two-seat, lightweight aluminum body Honda Insight in July of 2003 mainly to get better fuel mileage for his 70-mile roundtrip route from his Mountain View home to the Lab.

“I’ve always been concerned about fuel economy,” Berry said. “Since last July, I’ve probably saved 500 gallons of gasoline and I can calculate the pollution and greenhouses gases that would have created.”

He can get between 55 mpg and 65 mpg depending on driving conditions, averaging 60

mpg on his daily commute, and only has to fill up every 650 miles. Unlike the Toyota hybrid, Berry’s Honda always operates on gasoline and the battery just helps the engine run more efficiently.

“My dream would be to have this car run on hydrogen,” he said. “The dream isn’t here yet but this is the closest you could get. I wanted to reward an auto maker that built a hybrid car from scratch.”

To find out more information about participating in a group of employees driving hybrids and alternative fuel vehicles, contact Barnett at barnett7@llnl.gov.

A trio of Lab forums will focus on topical health issues

The Health Services Department and the Worklife Programs Office are sponsoring a trio of health promotion discussion forums that will focus on various health topics. Enrollment is limited to 20 participants to promote open discussion and foster greater understanding of the health topic. Participants must pre-register. The forums will include time for questions and educational handouts. Forums are scheduled for April, June and July.



The first forum will be:
Eating Disorders in Women (anorexia and bulimia), Thursday, April 8, noon to 1 p.m., Bldg.

571, room 2301. Eating disorders are common and potentially serious illnesses. Common behaviors include restrictions of food intake or bingeing/purging combined with excessive concern with body, weight or shape. This disorder can affect your children away at college, co-workers, siblings, spouse, parents or grandparents.

The June topic is Gastro esophageal Reflux Disease (GERD) and the July topic is Interstitial Cystitis.

SEARCH

Continued from page 1

chemistry, and electrical engineering and computer science.
Serving on the committee to advise the president on the selection of a director will be:
- George Blumenthal, vice chair, Academic Council, and professor, department of astronomy and astrophysics, UC Santa Cruz;
- Beth Burnside, vice chancellor for research and professor of cell developmental biology, UC Berkeley;
- John Clarke, investigator, material sciences division, LBNL, and professor of physics, UC Berkeley;
- Ward Connerly, president, Connerly and Associates Inc. and a UC regent;

- Sidney D. Drell, senior fellow, the Hoover Institution, and professor of theoretical physics (emeritus) at the Stanford Linear Accelerator Center, Stanford University;
- Judith L. Hopkinson, former chief operating officer of Amerquest Capital Corp. and a UC regent;
- Peter Preuss, president, The Preuss Foundation Inc. and a UC regent;
- Laurence Seigler, president, Alumni Associations of UC, and an ex officio UC regent;
- Peter G. Wolynes, professor, department of chemistry and biochemistry, UC San Diego; and
- One additional member of the UC Board of Regents to be named prior to the first meeting of the selection committee.
Ex officio members of the selection committee include:
- Dynes, convener of the committee;

- M.R.C. Greenwood, provost and senior vice president-designate, UC, and chancellor, UC Santa Cruz;
- John J. Moores, chairman of JMI Services Inc. in San Diego and chairman of the UC Board of Regents; and,
- S. Robert Foley, vice president, UC laboratory management.
The committee’s first meeting took place March 18 at LBNL where committee members met in open session with groups of researchers, faculty, staff, and community representatives to gather ideas and comments regarding the search and to learn the distinct needs of the Berkeley Laboratory.
Dynes hopes to bring a recommendation on a candidate to the UC Board of Regents in May.
For more news and information about the UC, visit: www.universityofcalifornia.edu



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

1998 - Honda Civic Ex Coupe 1.6L AT, PS, PW, PL, AC (needs repair), MR, tilt, cruise, alloys, 6-CD changer, tint, 15K on tires. 114K miles \$6950 925-625-4060

Mazda MPV, 125K mi, 6 cyl, all power options, nice shape, well maintained, original owner - \$3500.00 415-543-3643

1993 - Ford Explorer XLT V6, 4x4, Auto, 4DR, only 66K miles, original owner, full service history, AC, ABS, Power-Everything, All Systems Go! \$4700. 925-454-1555

2000 - Monte Carlo-Dark blue with new tires, brakes, great running condition. Has moon roof, tinted windows, power accessories. \$8,800. OBO 925-487-8519

1993 - Grand Voyager LE, Quad seating, JBL stereo, Power everything. In good shape. 30k mi on new transmission. Low Blue \$3480 asking \$3300. 925-606-1791

2002 - VW Beetle Turbo S. Excellent condition! Silver, 6-speed, 4-Cyl, 1.8L High-Pressure Turbo, LoJACK. LOADED! Only 21K miles! \$17,999. 209-832-9534

1991 - Toyota Supra Turbo, pwr snrf, new tires, AT, power everything, fast and great condition. 106K miles. New mtr at 72K. \$5500 or best offer. 209-832-7133

1995 - Toyota Camry LE, 94,700 miles, very good condition, auto trans, ac, ps/pb, am/fm/cassette, \$5,000 925-447-2830

1998 - Plymouth Grand Voyager SE, 3.3L V6, A/T, F/R A/C, Sunscreen Glass, Power Windows, Keyless Entry, AM/FM Cassette, 91000 miles, \$6000 510-537-8541

1994 - BWM 325i- Maroon AT PW PB PS AM/FM/CD Alarm Sun Roof and leather interior 150K miles \$7500 OBO 209-835-7127

1991 - Acura Integra GS 24 MPG Black w alarm,PS PB PW AC,sun roof, Leather Interior -155 K miles New Brakes & Tires,Very well maintained - Asking \$3300 OBO 209-835-7127

1999 - Toyota Camry CE Sedan 4D, excellent condition, 52000 miles, \$8500.00 925-784-7362

1991 - MazdaRX7 Convert, Redw/Black Top&Lthr Inter.Engine in great condition 125k<30k rblt.eng by Ricks Rotary Perfor,Needs small amt.of body work \$5500 510-329-4115

1994 - Saturn SL2 runs but could use some work. CD player. \$600 OBO. 925-337-2513

1995 - Mitsi Eclipse, 57k miles, silver, good condition, \$5,500/offer, great grad gift 209-832-3691

2000 - 528i BMW IMMACULATE inside & out- Full M performance Package, Halogens, alloy 2piece racing rims/tires 5yr full vehicle warranty 28,500 obro 925-250-2224

1990 - Mazda RX-7 GXL, A/T, A/C, P/W & door, sun roof, leather, tilt wheel, prem sound, CD w/mp3, tint, alarm, 93K miles, \$5000, OBO. 925-443-4612

AUTOMOBILE ACCESSORIES

New bed liner for Dodge Dakota Club Cab (fits 1997 thru 2004)\$250.00 209-832-3135

Tire, Wheel unused 205x75x15 fits Dodge Chains, unused with case fits 15x16x17 tires \$20 925-735-6002

Aluminum wheels with tires. Off half ton Chevy PU. 6 lug 16 in wheels. Located in Manteca. \$200/bo 209-606-6445

1948 English Ford engine-4 cyl, 30hp, 6volt, completely overhauled, zero operating hours. \$100 925-447-6221

BOATS

16x10 Eagle 529 alloy rims for 8 lug chevy 4wd. Like new, Excellent cond. (4) 225.00 call after 5:00pm. 209-992-6027

1993 Kawasaki X-2 Jet Ski w/trailer (trailer can haul two skis) \$1300 OBO. 925-443-4612

12ft. Aluminum Boat w\ Trailer, good condition, \$550 obo. 925-426-8139

18ft. deep V aluminium boat,great easy to load trailer.65 H.P. motor that needs work.\$2000 or best offer. 209-928-1875

14 foot Valco Fishing boat W/ Tilting trailer & wench. 9.8 Hp Mercury out-board. Small sears trolling motor. \$1250. OBO. 925-373-9638

22 ft Starcraft, aluminum, 165 Mercruiser IO, 1976, new bimini top, lots of space, great fishing/family boat. \$4k OBO 209-833-7257

ELECTRONIC EQUIPMENT

15inch LCD/Flat Panel monitor, KDS Rad-5. Like new, sleek small footprint, 17inch CRT view area. - \$245 415-543-3643

Computer table. Corner style, light-toned laminate. \$25. 925-846-3653

Perfect Home Computer! Great for the web, word processing, etc. Includes a CD Burner. \$230, Call for details. 925-455-0847

various stuff: stereo units (with 5-cd or 1-cd capacity), cordless & corded phones, tape answering machine, TVs with issues, all really cheap 925-449-3165

Pair of new 2-way mag shielded bookshelf speakers; Brand: Infinity; Model: Interlude IL10; 6.5 by 1-in CMMD drivers, \$180. 925-449-5513

DVD/CD player, Symphonics brand, with remote. Never opened. Still in box. \$40. 925-648-0671

Epson Expression 636 flatbed scanner for Mac. SCSI interface PCI adapter card included. \$50. 925-447-6728

GIVEAWAY

White toilet, 1.6 gpf, good condition. Had to be removed during remodeling. 925-371-1076

Free lawn mower. 21 inch push. Runs good. 925-803-5804

Big oak desk. rounded edges, light honey finish with chair. San Ramon, you haul. 925-828-8533

HOUSEHOLD

Toddler bed (red metal frame), \$15, rocking chair, \$10. Both in good condition. 925-371-1076

Dinette table, 48x36 inch oval w/12 inch leaf, laminate woodgrain pattern. \$75. Two oak end tables (matching). \$80 for both. 925-846-3653

Oak Table with 4 chairs. Pedestal style with ball and claw. Natural oak color. Great condition. \$200 925-606-4363

Kimball Upright Console piano, walnut finish -- \$900.00. 925-679-9233

Formal beveled glass dining table \$280 925-449-1481

Drafting table desk; white vinyl top. Very good condition. \$40 925-462-2197

Practically new lawn mower and mulcher (used three times): Craftsman, 6 hp, rear-bagger, 21 inches. Absolutely excellent condition \$150. 925-443-7884

Double bed size wrought iron futon \$40.00 925-447-7768

Waterbeds. Complete king size incl. frame, headboard, heater, and mat-

tress. Queen size frame and headboard, no mattress. Make offer. 925-443-5525

various stuff: gas grill, camping stove, pedestal habachi, fireplace drawscreen, big metal gas cans, mismatched kitchen things, all really cheap 925-449-3165

Love Seat: Medium pastel print in beige, peach and aqua. Includes two matching accent pillows. Excellent condition. \$175. 925-429-0363

ANTIQUE end tables, mohogany wood, 1920s era, \$350 for the pair 925-443-2114

Antique Armioirs 3 oak. 4 feet wide. \$400 each/bo. Also antique oak secratery with side display. Located in Manteca. 209-606-6445

RCA 19 inch TV and Sony VHS VCR SLV679AF. Great little tv and vcr combo for kids room or other room. Both work very well. Both \$100, offer. 925-829-1474

Oak pedestal dining table, with one leaf and 6 chairs. \$400 925-447-4797

Teak sofa set (1 sofa, 4 chairs, 1 cofee table, & one side table). \$1500 OBO. 209-835-6351

Dinette glass table with 4 chairs good condition asking \$65.00 209-239-4557

Upright freezer. 21 cubic foot. Works great! Approx. 11 years old. \$150 obo. Call after 6 p.m. or leave message. Modesto. 209-524-3408

Dryer- Kenmore Gas, older model but works very well 25.00 : Dryer- Kenmore Electric, almond color in very good condition 85.00 925-443-5565

King Size Mattress set for sale. King Koil brand, good condition, about 5 years old. (Standard King, not Cal. King) Asking \$200 O.B.O. 925-606-0825

LOST & FOUND

Lost Keys, UY46, UY53 + one other on key chain Lab ext. 3-3135 925-625-6486

MISCELLANEOUS

Push mower with grass catcher, \$80. 600-1817

52-inch white ceiling fan, never used, \$25. 925-371-1076

BRIO train set and coordinating reversible table. Lots of track, cars, bridges, tunnels, etc. Excellent condition. \$250 925-606-4363

Ariens Rear tine rototiller -- \$300.00. 925-366-3899

20th Century Woodworker. Vintage combination woodworking machine. 10 in. radial arm saw, 12 in. table saw, 6 in. planer/jointer. Make offer. 925-443-5525

49ers Season Tickets - Lower Reserved, Sec. 22, Row 18, Seats 23 & 24 (on the aisle) - \$1284. Reserved parking may also be available - \$250. 925-846-1161

Model railroad N-scale layout. Track and switches on a 3x6 foot plywood-top table with legs. \$50 925-462-2197

Platform Scale 140 lb CAP \$40 IBM typewriter, as is \$15 seletive II 925-735-6002

Firewood logs, pine, 10-20 inches diameter, 6-8 feet long, \$5-10 each. 209-848-1375

Internal Zip Drive, 5 zip discs, and software. All for only \$98! 925-455-0847

Baby: swing w/toys & mobile \$30, walker w/toys \$10, infant car seat w/base \$20, bumble seat w/toys \$10, play mat with toys \$5. 209-239-2377

Wood shop tools. 10 in. table saw,

drill press and scroll saw. Older but seem to work well. Make offer. 925-443-5525

Playskol plastic backyard 8 in 1 play structure. Orig price \$349.00/sell for \$100.00 925-998-2620

Boys & Girls clothes - Gap, Old Navy, Gymboree, etc. Excellent condition and prices. 925-998-2620

High-Value BART ticket worth \$48 for \$40. 209-239-7888

9 in 1 game table by Harvard; foosball, pool, shuffleboard, etc. Great for kid playroom, can supply photo, \$100. 209-839-9757

Spa.Down East Cape Cod 84inx84inx36in. 48-adj. jets,foot/shoulder massage,6person,2pumps, like new,hardly used. 1.5 yrs old paid \$5300 sell for \$3K 925-371-2223

Orlando, FL vac pkg. 3 nts @Rosen Plaza/Westgate Resort+discount vouchers and gambling cruise.Must used by 5/31/04.Asking \$100. 925-828-0893

Generator, Coleman Powermate Premium Plus, 6250 watts max, 5000 running, 10hp ohv, 5gal, whl kit, new condition, \$450 obo. 925-426-8139

MOTORCYCLES

1996 - Harley Davidson Heritage. 15k miles. Excellent condition with lots of chrome. Black/Platinum 15k OBO 209-824-5727

1994 - R1100RS BMW motorcycle--\$4000 firm 98,XXX miles, Ohlins, new clutch, tires, recent level 2 service 415-608-1958

2000 - Honda Nighthawk CB750 700 total miles, Fairing and Saddle Bags \$3500 Firm 209-836-3069

MUSIC INSTRUMENTS

Suzuki violin, 1/4 size, Wolf violin headrest (1/2 size), Violin Strings, all like new. Make offer 415-543-3643

Wurlitzer piano in good condition. \$200 OBO. Buyer responsible for moving. 925-455-5153

Tascam 244 4-Track Portastudio cassette deck. Excellent condition. Complete with manual and original box. \$75. 925-443-9182

Kholer upright piano. \$350 /bo 209-239-5625

Tama Rockstars 5pc.Black Zilgin Cymbals Dbl. Brace Hardware Excellent condition. call after 5:00pm 750.00 209-992-6027

ART SGX2000 guitar multi effects processor with X15 MIDI foot controller. Includes MIDI and power cables. Very nice shape. \$275 925-443-9052

PETS & SUPPLIES

Experienced Pet Sitter. Lowest rates guaranteed! Livermore or Pleasanton only. 925-455-0847

20 year old quarter horse, very gentle, great for beginner or kids, good on trails, in trailer and works cattle. Asking 1,695.00 or best offer 925-519-4084

FREE female gray tabby cat, spayed, declawed, very friendly, carrier, food 209-836-9166

Keyon sand BOAS (snakes) \$25 each. Located in Manteca. 209-606-6445

Lab puppies, AKC registered, black shiny coats, had first shots, available now, \$400, 209-854-3418

COCKATIELS 6 total with cage. 1 breeding pair and 4 five month olds. Cage 3ftx4ftx5ft galvanized steel. \$425. 209-518-0397

RECREATION EQUIPMENT

Heavenly adult lift ticket. Good any day, full-day. Good through April 20th. Normally \$62. Asking \$50 or best offer. 925-292-2524

Olympic weight set, 300lbs. Bench/squat rack included. Paid 550\$ new two years ago. Bench has minor damage but doesnt affect operation. Make offer. 209-527-4990

Go Kart - Invader race kart. built for smaller child, Briggs, Alcohol and Gas carbs. This is a great unit. \$1000 After 5pm 209-838-0304

Ivanco barbell (weighs 12 lbs, 66 inches long) w/twist off ends to hold weights \$40, 4-10lb weights \$8 each. 925-443-3102

Video Arcade Game, 4 player, by Konami. Commercial grade, great condition, \$500. Can deliver locally. 925-484-0697

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>

Modesto - Vanpool, Modesto to LLNL, 7:00 to 3:30 shift. Call 209-848-0365, ext. 2-9102

Lafayette - LaMOrinda Vanpool (also WALNUT CREEK stop at Rudgear Rd): reclining seats, reading lights, 7:45-4:45, \$105/mo (pretax reduction available) 925-943-6701, ext. 2-3005

Oakland/Montclair - Vanpool seeks additional riders. 5/40 schedule: at LLNL 8:15-5:00. Fare depends on # subscribers; \$132/mo if one additional. 510-530-1289, ext. 2-9831

Manteca - Carpool on the 9/80 schedule. Call for details. Immediat opening. 209-825-0326, ext. 3-0631

Modesto Vintage Faire Mall Park-n-Ride - Immediate Openings 1 rider and two standbys, Luxury vanpool, captain seats, reading lights, cellphone 8-4:45 ridership-based fares, 209-544-2236, ext. 3-3194

PATTERSON - Vanpool has seats available for M-F 7:30-4:00 shift. Pre-tax transportation and Guaranteed Ride Home programs available. Fare based on ridership. 209-892-2118, ext. 2-9502

Modesto/Ripon - Van Pool has openings for full time riders. Work hours are 8:00 - 4:30, maybe 4:45 depending on pick-up point. 209-544-6411, ext. 2-2727

SERVICES

42 foot covered slip for rent in Discovery Bay yacht harbor for 6 months or more. \$312.50 per month plus electricity. 925-484-4099

COMPUTER: Tutoring, Troubleshooting, Installation. Lowest Prices Guaranteed! Livermore/Pleasanton only. 925-455-0847

CONCRETE-foundations, custom, stamped, colored, sealing & more. Over 20 years experience. Free estimates. 408-806-9816

Custom window treatments & home decorating. Call for consultation. 209-239-7899

SHARED HOUSING

Livermore - - Room for rent in four bedroom home, full priv., share 1/3 util, non-smoker, \$550.00/mo., plus deposit. 925-447-2670

Livermore - Room for rent, \$600.00 + 1/3 utilities, \$300.00 dep. Private bathroom & garage parking. No smkg, drugs, or pets. Mature person preferred. 925-373-1648

Livermore - furnished room for rent. Clean/quiet. Pool. No pets/no smoking. \$550.00/month. Share utilities

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.



NEWS OF NOTE

Administrative & Specialist Restructuring update

Directorates have submitted initial job slotting recommendations to Compensation for review. The Compensation Division has begun the process of analyzing the job slotting for reasonableness and lab-wide consistency. A preliminary impact analysis will be discussed with each associate director over the next two weeks, followed by a discussion with the Senior Management Council in early April. During this time period, two advisory panels consisting of senior managers will be established to review preliminary slotting recommendations from an institu-

tional perspective. These panels will focus primarily on the administrative and financial services job families. Based on input from managers and employees, revisions to job family matrices continue. These have been communicated to the directorates. Revisions to the job family matrices are generally not affecting preliminary job slotting results. Revised matrices include:

- Accounting
- Applications Help Desk

- Business Unit Security
- Technical Communications
- General Attorney
- Patent Attorney

In addition, the “other” category has been expanded for the following job families:

- Administrative Services
- Human Resources
- Procurement

These changes can be viewed on the A&S Restructuring Website <http://www-r.llnl.gov/ASR>.

COLD WAR

Continued from page 1

on what he knew about what had happened, views often “contrary to conventional wisdom.”

For example, it was commonly believed Joseph Stalin died of a stroke March 5, 1953. But evidence now suggests Stalin was poisoned by his chief of security Lavrenti Beria, who also headed the Soviet nuclear weapons program.

Through informants, Stalin kept current on new U.S. nuclear weapons development and the Soviet’s lack of progress, despite Beria’s efforts to convince him otherwise. “Nuclear weapons had a role in Stalin’s death,” Reed said.

Notes from a reunion of Stalin’s death-bed guards and other archival documents indicate Beria poisoned Stalin by slipping warfarin, a blood thinner, into Stalin’s glass of Madzhari Georgian wine, Reed said. “Fittingly, in large doses it is used to kill rats.”

Reed said President Dwight Eisenhower has not received recognition for his Cold War leadership. “Eisenhower was a true genius,” he said. “He was a man of amazing foresight.”

Eisenhower resisted pressure to build up conventional military forces in response to the Soviet build up, choosing instead “to rely on nuclear deterrent” and keeping technological pressure on the Soviet economy.

“Eisenhower also realized the importance of intelligence,” Reed said, and he undertook a secret reconnaissance program using RB-47s, a version of the B-47 bomber, and later the U-2 made famous by Francis Gary Powers, who was shot down over Sverdlovsk in May 1960.

“It turns out we knew only half the story,” Reed said, adding his post-Cold War interviews with Soviet

military officials revealed complete details of the incident.

When Powers first penetrated Soviet air space flying at 70,000 feet, the Soviets went on full alert and grounded all air traffic to allow radar to concentrate on tracking the U-2. “The Soviets had been frustrated they couldn’t get to the U-2,” Reed said.

Bringing down Power’s plane came at a cost, Reed said, with two Soviet MiG fighters also being downed by ground fire, which killed one pilot. “In their obsession with the U-2, the Soviets killed one of their own,” he said, adding his Russian source commented “that’s life in the Red Army.”

But from his contact with Soviet military officials in charge of nuclear weapons, Reed came away with a great deal of respect. He noted that during the August 1991 attempted coup against Mikhail Gorbachev, Soviet military officials “unplugged” the nuclear briefcase as a precaution. “They decided nukes were too dangerous for this situation.”

Reed’s book honors the heroes on both sides. The dedication reads: “To the Cold Warriors who did their duty, protected their honor and defended their countries. They did so with a vengeance, in the service of their own gods, but they never lost respect for the fires of hell that would surely follow any careless act at the edge of the abyss.”

In that vein, he lauded the early work done at the Laboratory in the 1960s under former Lab Director John Foster’s leadership to make nuclear weapons safer. “The security and safety of nuclear weapons really started here,” Reed said. “You should be proud of that.”

Another aspect of the Cold War that Reed addressed was the Soviet effort to acquire U.S. technology. The Soviets were “vacuuming up” technology through third party countries, he said.

But in 1981, U.S. intelligence “gained access” to a KGB agent and was able to get a list of technologies the Soviet Union was seeking to acquire. “We got their shopping list and we decided to help them with their shopping.”

In an effort led masterminded by Gus Weiss of the National Security Council and then CIA Director William Casey, the United States sent defective technology to the USSR. “We made sure that the computer technology they stole had a Trojan horse.”

For example, bugs were inserted into software the Soviet Union bought illegally on the black market to regulate the trans-Siberian natural gas pipeline. The CIA’s handiwork caused a pressure check to double the pressure in the pipes, and triggered a mammoth “two kiloton” explosion.

In the economic “end game,” Soviet high tech industry was “completely polluted,” Reed said.

With the Soviet Union spending 50 percent of its gross domestic product on defense, “Reagan believed the Soviet Union was going broke,” he said. “This was instrumental to Reagan’s decision to go ahead with the Strategic Defense Initiative.”

Summing up, Reed warned that while the Cold War may be over, the nuclear threat from a terrorist attack remains.

“The Cold War has ended, but a new time is upon us,” he said. “We still live at the edge of a nuclear abyss.”

Reed’s presentation, sponsored by the Lab History Project, will be rebroadcast on Lab TV channel 2 Tuesday, March 23, at 10 a.m., noon and 2,4, and 8 p.m. and Wednesday, March 24, at 4 a.m.

Copies of “At the Abyss” at the Lab store sold out before Reed’s presentation. Additional copies are on order and will be available in early April at the discounted price of \$17.99 plus tax.

1/3. Deposit. Mature adult. 925-449-1128

Livermore - Room for rent, clean & quiet, nice neighborhood, cable hookup, garage, non-smoker,\$550/month / utilities inc. No deposit required. 925-449-1474

1999 - Chevy Suburban 3/4Ton, 4X4, LT, 454, power everything, heated seats, running boards, brush guard, leather. 73k miles. \$18.5k OBO 209-833-7257

1997 - Chevy Tahoe, Green, LT, Well maintained, Custom Wheels, Dual Exhaust, 155k Freeway miles \$9500. 925-454-1478

1985 - 27ft Fleetwood Southwind Class A. 4KW Onan gen. 76k miles. Mechanically sound and looks good. 10k OBO 209-824-5727

2001 - 39.5 Rexhall Roseaire motorhome, 350 Cummins diesel, 14K miles, Like new with many extras includes 1993 Saturn SL2 tow

vehicle. \$127K offer 209-832-4827

1999 - F250, SuperCab, LARIAT, LB, V-10, Shell w Side Access, New Tires, Tow Package, 74K Miles, \$16,025 925-980-4559

1993 - 1993 Rockwood 5th wheel trailer. 13 foot slide out. Air conditioning lots of extras. Sleeps 6 very good condition \$10,500 B/O 510-785-7107

2000 - Chevy Silverado LS, Regular cab, V-8, all power, CD, new tires, 49K miles, original owner, \$13,000 OBO 925-373-4791

1996 - Jayco tent trailer,fully loaded with awning. Outside shower, queen and double beds, sleeps 6 comfortably. \$4800 OBO 925-706-8296

1992 - Ford Ranger XLT extended cab, AT, AC, 153K mi., CD, camper shell, bed liner, trailer hitch, \$2900 925-829-8683

1969 - Dodge Power Wagon, frame and drive train only. Dana 44F w/jeep bolt patterns, NP435 4speed, divorced transfer case etc. Good

parts \$200 for all 925-449-5640

2002 - Chevy Silverado,with tow pkg. bed liner. Pewter color.Excellent condition. Must Sell! Day time number to call (209)679-1266 209-285-1828

99 Komfort travel trailer,25ft.fully self-contained,rear bath,queen walk-around bed,super clean, org. owner. \$9900 925-462-4927

1995 Pace Arrow motorhome, 35ft. 2 ac units, Ford 460, 32Kmiles, queen bed, corian, to much to list. \$36,000 B.O. 925-447-3671

VACATION RENTALS

South Lake Tahoe - Great family home for rent. Four bedrooms plus kids loft. All amenities no smoking, no pets mid week rates. 925-484-3162

North Lake Tahoe - Condo for rent May 22- May 29 (nightly or entire week). NICE! Studio, partial kitchen, sleeps four, right on the lake. \$95/ per night, 2 nt min. 925-443-5714

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. LLNL rates for year-round reservations. 925-449-0761

N. Tahoe Donner - 5 bdrm home +art studio, equipped w/70in. tv & surround sound upstairs and down w/dish. \$200/day \$1250/wk. Karla 925-550-2384

Soda Springs/Donner Summit, Classic A frame 2BR/1BA+Loft, sleeps 8, Walk to Royal Gorge 5 min to Sugar Bowl \$250 wknd,\$550/week call for availability 209-836-3481

Donated keyboards to provide music lessons for disadvantaged children. 447-2076

Ladies mountain bike to fit 5ft 4in rider. Must be relatively new model. 415-543-3643

Early VW Rabbit Diesel. 1977-1979 non-sun roof model, straigh acci-

dent free. Will give it a good home. 925-376-1595

Need mason to do brickwork at my Livermore home. 925-371-1607

Wanted Temporary Housing-At least 3beds, 2bath for three months starting April 9th in the Trivalley area. 925-408-5537

Lawn services needed, once/twice a month in Livermore. Small front yard and large backyard. Excellent for teenager to earn a little extra income. 925-606-5315

WANTED

Please note:

Services and merchandise listed in *Newsline* are not guaranteed. It is up to the buyer to scrutinize services purchased.

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.

ERGONOMICS

Continued from page 1

For example, it features:

- Resources for ergonomic evaluators, managers, members of the Laboratory's Ergonomics Committee, material handlers, and laboratory and office workers.

- Information on training and on LLNL's ergonomic hotline, 2-ERGO, and request forms for services such as ergonomic evaluations and chair fittings.

- Information on the activities of the Ergonomic Intervention Team which provides services for workers in discomfort through the Early Intervention Program (EIP).

- Links to product information, publications and helpful hints.

- "Ergonomics for Life," a special feature that contains ergonomic tips for children and ergonomic information on topics such as sewing, gardening and sleeping.

Last year was a fruitful one, as the Safety and Environmental Protection (SEP) Directorate expanded ergonomic services.

One service that has proven to be very popular with ergonomic evaluators and their clients is the Ergonomic Demo Room. Located in Bldg. 255, room 145, the demo room offers chair fittings and exhibits of ergo accessories for computer, laboratory and industrial use. Some equipment in the room can be borrowed as part of a try-before-you-buy approach to ergonomic equipment acquisition.

"The loaner program is really showing to be a good addition to the demo room," Alexandre said. "Most people have tried two or three mice or two or three keyboards before finding the equipment that best suits them. In my mind, the loaner program equates to cost savings because programs didn't have to buy equipment that might end up on the shelf."

Another well-received service is the Early Intervention Program (EIP), which utilizes ergonomic specialists from Health Services and Hazards Control to work with employees who have reported discomfort.

"The discomfort might be related to occupational or non-occupational causes," Alexandre said. "Our goal is to get to the employee early before the discomfort turns into something bigger, more debilitating. A big audience of this group has been employees who do



JACQUELINE MCBRIDE/NEWSLINE

The Ergonomic Demo Room in Bldg. 255 gives the Lab's ergonomic specialists the opportunity to demonstrate the latest in ergonomic tools to their clients. In foreground, Cheryl Bennett of ES&H Team 2 observes Bob Foerschler of NAI at the keyboard. In the background (left) are Christine Little (seated), also of ES&H Team 2, and Lois Halunen of ES&H Team 4. Seated at a demo station (right) is Melanie Alexandre, the Hazards Control ergonomics subject matter expert.

not work in an office environment."

EIP team members, Alexandre said, provide "very personalized care," working with the employee at his or her work site, trying to learn the source of the individual's discomfort and coming up with ways to resolve the problem. "Resolution could involve self-care strategies such as stretching or strengthening, or environmental changes or habit changes," Alexandre said.

Among the EIP services are individualized exercise and stretching plans, first aid care instruction, monitoring by health care professionals and enhanced education on ergonomics and related health issues.

Started as a limited pilot program in November 2002, EIP now averages 18 encounters a month. About 93 percent of encounters closed last year were resolved in the field, with each encounter averaging about 7.2 hours. The remainder of encounters categorized as closed required some sort of medical treatment.

"The interventions that we closed in the field meant that in the past year we potentially prevented 139 co-workers from having a debilitating injury," Alexandre said.

Another popular service is the ergonomic hotline, 2-ERGO, which is a one-stop shop for ergonomic information and resources. People call 2-ERGO for a wide range of reasons:

- To make appointments to select an ergonomic chair or stool, choose computer accessories, check out equip-

ment from the loaner program, and preview ergonomically designed hand tools and industrial products.

- To request group or individual ergonomic evaluations.

- To find out how to have a broken chair repaired or how to get computer glasses.

- To seek help for and tips on managing large office moves.

- To talk with an ergonomic specialist about design, remodel, and/or task analysis for laboratories, material handling, office and other work areas.

Most 2-ERGO callers seek demo room appointments or information about ergonomic evaluations. Alexandre said 2-ERGO's peak month was last July when the service registered almost 140 calls.

In addition to the ergonomic activities funded through the SEP Directorate, many Laboratory programs are involved in their own efforts to "advance and change their culture or look for new ways to help prevent repetitive motion injuries," Alexandre said.

As examples, she mentioned recent ergonomic initiatives developed by the

Physics and Advanced Technology and the Chemistry and Materials Science directorates. PAT is working with Health Services to identify employees who have potentially high ergonomic risk and is providing intervention as needed. CMS has been conducting a sweep of all its offices and laboratories to ensure that its employees have ergonomic evaluations and follow-ups.

The crosscutting mechanism for ergonomics at the Laboratory is the Ergonomics Committee, which Alexandre chairs. "Every directorate has a representative and we have very high participation at our meetings," Alexandre said. "There is a lot of good sharing, and I think that is very healthy."

One ergonomic area that will get attention in the coming year is the non-office environment, Alexandre said.

People often think of ergonomic injuries as being limited to computer tasks or office work. But experience, Alexandre said, has shown that other activities — pulling cable, using hand tools, or pipetting for long periods of time — can also cause repetitive motion injury if not done correctly.

"We want to educate employees performing those functions on how to do their work in an ergonomically safe manner," Alexandre said. "Our goal is to make ergonomic awareness a key part of how people at the Lab approach their work."

JGI

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overnight to X-ray film. The next morning, after developing the film, "ladders" of sequence would be revealed, if all went right, as little black slots corresponding to the four letters or nucleotide bases, the As, Ts, Cs and Gs that make up an organism's genome or genetic code. These "autoradiograms" were then "read" with a ruler and pencil — a tedious proposition at best.

"There was a time," said Eddy Rubin, JGI Director, "when Ph.D.s were awarded for characterizing stretches of just a few hundred bases."

Today, with the advent of robotics and the capillary DNA analyzer (no more slab gels or radioactivity), sequencing has ramped up toward industrial strength at the PGF. The current sophisticated hardware lineup includes some 55 Applied Biosystems 3730xl sequencers and 36 Amersham Biosciences MegaBace 4000s, running 96 and 384 sample plates, respectively, 24/7, cranking out DNA sequence this month of frog, cottonwood tree, and miscellaneous microbes.

"This two gigabase accomplishment is a real



DAVID GILBERT/NEWSLINE

JGI's Michele Martinez and Genevieve DiBartolo display the 2 gigabase commemorative T-shirts at the celebration on Monday at the Production Sequencing Facility in Walnut Creek.

testament to the perseverance and meticulousness of the JGI Production Sequencing team led by Susan Lucas," Rubin said.

Said Lucas, "To put our progress in perspective, for all of the year 2000, we produced 5 billion bases of sequence. We just passed that number on March 15. Now we sequence the equivalent of the entire human genome — about 3.1 billion bases — every 43 days, or 50,000 bases of sequence every minute. We've come a long way."



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